Graphics Card

Installation Guide

E1262

First Edition V1

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Notices

Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Canadian Department of Communication Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Safety information

Electrical safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before you add a device.
- Before connecting or removing signal cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adpater or extension cord. These devices could interrupt the grounding circuit.
- Make sure that your power supply is set to the correct voltage in your area. If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.

Operation safety

- Before installing the motherboard and adding devices on it, carefully read all the manuals that came with the package.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may become wet.
- Place the product on a stable surface.
- If you encounter technical problems with the product, contact a qualified service technician or your retailer.

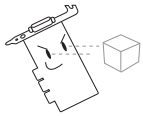
About this guide

Conventions used in this guide

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.

WARNING: Information to prevent injury to yourself when trying to complete a task.

CAUTION: Information to prevent damage to the components when trying to complete a task.



IMPORTANT: Information that you MUST follow to complete a task.

NOTE: Tips and additional information to aid in completing a task.

Typography

Bold Text	Indicates a menu, dialog box or an item to select.
`Text input`	Indicates a text or command that you have to type on the screen.

Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS Websites**

   The ASUS websites worldwide provide updated information on ASUS hardware and software products. The ASUS websites are listed in the ASUS Contact Information on page vii.

2. **Optional Documentation**

   Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

ASUS contact information

ASUSTeK COMPUTER INC. (Asia-Pacific)

Address: 150 Li-Te Road, Peitou, Taipei, Taiwan 112
General Tel: +886-2-2894-3447
General Fax: +886-2-2894-3449
Web Site: www.asus.com.tw

Technical Support

MB/Others (Tel): +886-2-2890-7121 (English)
Notebook (Tel): +886-2-2890-7122 (English)
Desktop/Server (Tel): +886-2-2890-7123 (English)
Support Fax: +886-2-2890-7698

ASUS COMPUTER INTERNATIONAL (America)

Address: 44370 Nobel Drive, Fremont, CA 94538, USA
General Fax: +1-502-933-8713
General Email: tmd1@asus.com
Web Site: usa.asus.com

Technical Support

Support Fax: +1-502-933-8713
General Support: +1-502-995-0883
Notebook Support: +1-510-739-3777 x5110
Support Email: tsd@asus.com

ASUS COMPUTER GmbH (Germany and Austria)

Address: Harkortstr. 25, 40880 Ratingen, BRD, Germany
General Email: sales@asuscom.de (for marketing requests only)
General Fax: +49-2102-9599-31
Web Site: www.asuscom.de

Technical Support

Components: +49-2102-9599-0
Notebook PC: +49-2102-9599-10
Support Fax: +49-2102-9599-11
Support Email: www.asuscom.de/support (for online support)

ASUSTeK COMPUTER (Middle East and North Africa)

Address: P.O. Box 64133, Dubai, U.A.E.
General Tel: +9714-283-1774
General Fax: +9714-283-1775
Web Site: www.ASUSarabia.com

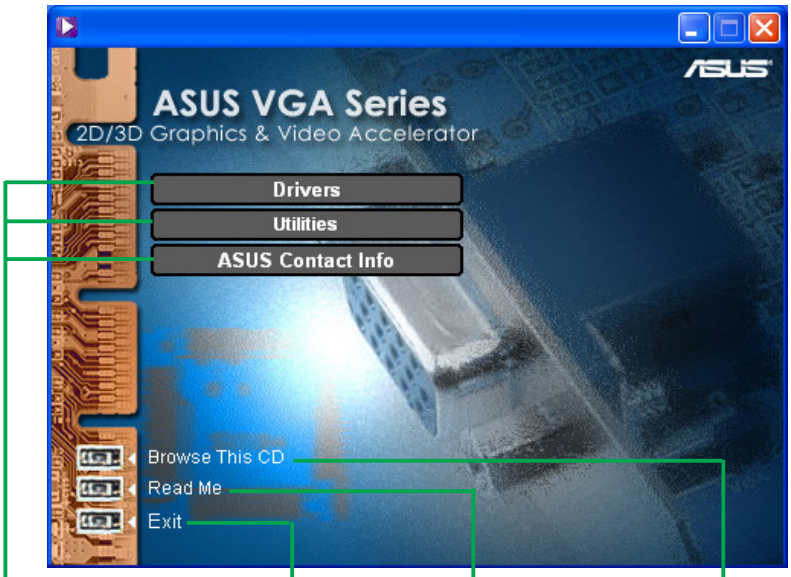
1. Support CD information

The support CD that came with the VGA card contains useful software and several utility drivers that enhance the video features.

- The screen displays in this manual may not exactly match the display on your screen.
- Some driver and utility items in the support CD apply only to specific ASUS VGA card models.
- The contents of the support CD are subject to change at any time without notice. Visit the ASUS website for updates.

1.1 Running the support CD

To begin using the support CD, simply insert the CD into your CD-ROM drive. The support CD automatically displays the **2D/3D Graphics & Video Accelerator** main menu if autorun is enabled in your computer.



Click a menu item to open other installation menus

Click to exit application

Click to view readme file

Click to display CD information

If autorun is NOT enabled in your computer, browse the contents of the support CD to locate the file SETUP.EXE. Double-click the **SETUP.EXE** to run the support CD installation program.

2. Display driver installation

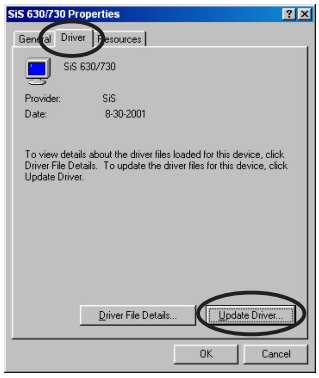
A display driver is the software program that makes the device work with your operating system. You can install the display drivers for your graphics card using any of the recommended methods in this section depending on your operating system.

If you are replacing an old graphics card with a new ASUS graphics card, make sure to change the Windows display driver setting to “Standard Display Adapter (VGA)” to avoid possible driver conflicts. Perform the steps in section “2.1 Changing the Windows display driver” to change your Windows display driver.

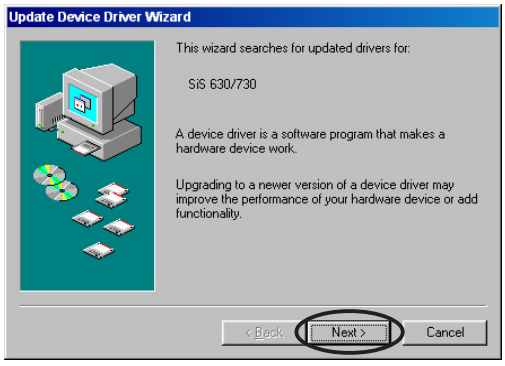
If you are installing an ASUS graphics card in a computer system without an existing graphics card, perform the steps in section “2.2 Install ASUS enhanced driver”.

2.1 Changing the Windows display driver

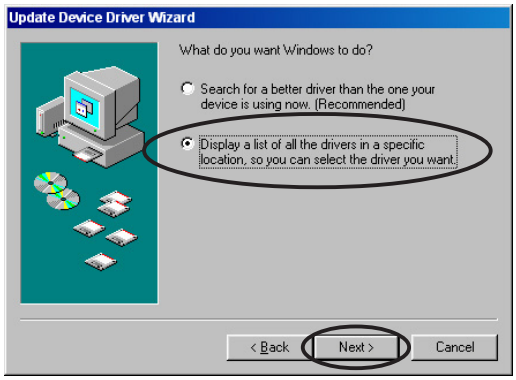
1. Boot your computer.
2. Click the **Start** button. Select **Settings**, then **Control Panel**.
3. Double-click the **System** icon in the Control Panel. Select the **Device Manager** tab.
4. Double-click on **Display Adapters**.
5. Select the current display adapter then click on **Properties**.
6. From the Properties dialog box, select the **Driver** tab then click on **Update Driver**.



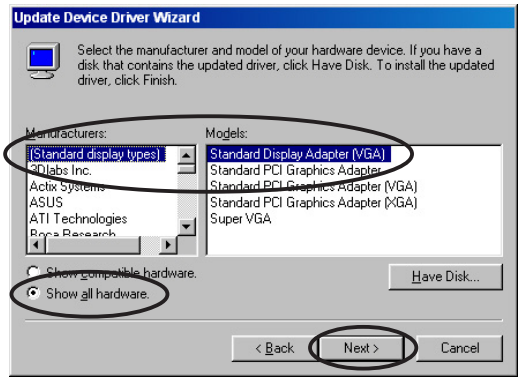
7. Click **Next** on the succeeding screen.


Update Device Driver Wizard
This wizard searches for updated drivers for:
SiS 630/730
A device driver is a software program that makes a hardware device work.
Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
< Back
Next >
Cancel

8. Select the **Display a list of all the drivers in a specific location, so you can select the driver you want** option, then click **Next**.


Update Device Driver Wizard
What do you want Windows to do?
Search for a better driver than the one your device is using now. (Recommended)
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

9. From the Update Device Driver Wizard dialog box, select **Show all hardware**. Select **(Standard display types)** from the Manufacturers list box and **Standard Display Adapter (VGA)** from the Models list box. Click **Next**.


Update Device Driver Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Manufacturers:
Models:
(Standard display types)
3Dlabs Inc.
Actix Systems
ASUS
ATI Technologies
Standard Display Adapter (VGA)
Standard PCI Graphics Adapter
Standard PCI Graphics Adapter (VGA)
Standard PCI Graphics Adapter (XGA)
Super VGA
Show compatible hardware.
Show all hardware.
Have Disk...
< Back
Next >
Cancel

10. When prompted to update the driver, click **Yes**.
11. Click **Next** on the succeeding screens.
12. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.

2.2 Install ASUS enhanced driver

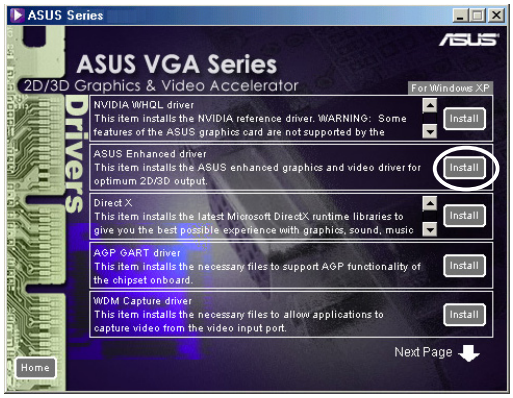
The ASUS fine-tuned enhanced driver delivers the best 3D performance on your video output. Use any of the recommended methods in this section to install the ASUS enhanced driver after booting your computer.

2.2.1 Windows 98SE/ME

Method 1: ASUS Quick Setup Program (when Autorun is enabled)

1. Insert the support CD into your CD-ROM drive.
2. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.

3. Click the **ASUS Enhanced Driver Install** button from the **Drivers menu** to copy the necessary files to your computer.
4. Follow the succeeding screen instructions.

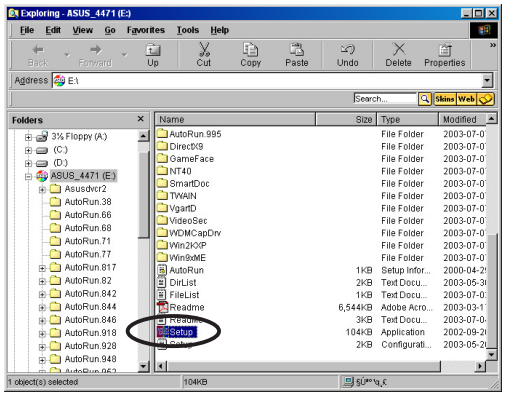

ASUS Series
ASUS VGA Series
2D/3D Graphics & Video Accelerator
For Windows XP
Drivers
NVIDIA WHQL driver
This item installs the NVIDIA reference driver. WARNING: Some features of the ASUS graphics card are not supported by the
Install
ASUS Enhanced driver
This item installs the ASUS enhanced graphics and video driver for optimum 2D/3D output.
Install
Direct X
This item installs the latest Microsoft DirectX runtime libraries to give you the best possible experience with graphics, sound, music
Install
AGP GART driver
This item installs the necessary files to support AGP functionality of the chipset onboard.
Install
WDM Capture driver
This item installs the necessary files to allow applications to capture video from the video input port.
Install
Next Page
Home

5. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.

Method 2: ASUS Quick Setup Program (when Autorun is disabled)

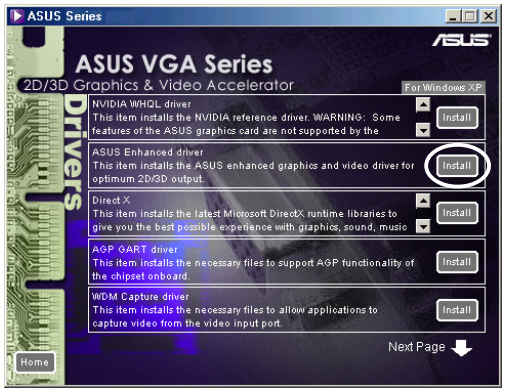
1. Insert the support CD into the CD-ROM drive.

2. Double-click the CD drive icon in **My Computer** or run the setup utility from the following path, **\Setup.exe** , then click **OK**.

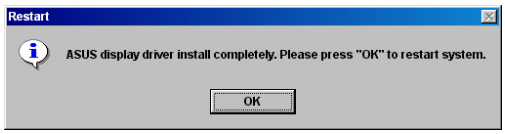


3. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.

4. Click the **ASUS Enhanced Driver Install** button from the **Drivers** menu to copy the necessary files to your computer.
5. Follow the succeeding screen instructions.

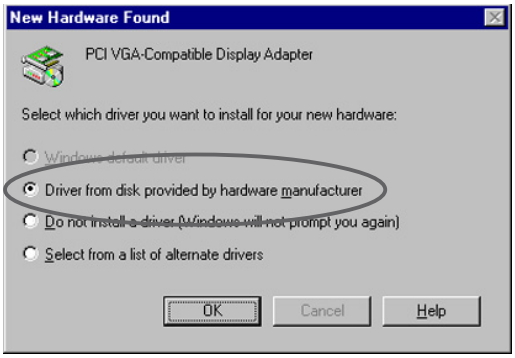

ASUS Series
ASUS VGA Series
2D/3D Graphics & Video Accelerator
For Windows XP
Drivers
NVIDIA WHQL driver
This item installs the NVIDIA reference driver. WARNING: Some features of the ASUS graphics card are not supported by the
Install
ASUS Enhanced driver
This item installs the ASUS enhanced graphics and video driver for optimum 2D/3D output.
Install
Direct X
This item installs the latest Microsoft DirectX runtime libraries to give you the best possible experience with graphics, sound, music
Install
AGP GART driver
This item installs the necessary files to support AGP functionality of the chipset onboard.
Install
WDM Capture driver
This item installs the necessary files to allow applications to capture video from the video input port.
Install
Next Page
Home

6. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.



Method 3: Plug and Play

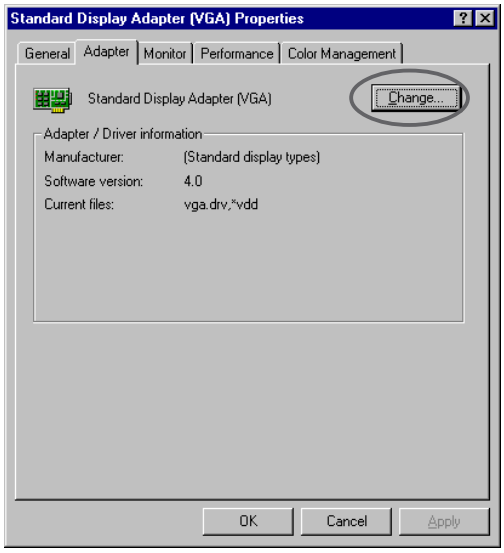
1. When Windows detects your ASUS graphics card, the **New Hardware Found** dialog box appears.
2. Click **Driver from disk provided by hardware manufacturer**, then click **OK.**


New Hardware Found
PCI VGA-Compatible Display Adapter
Select which driver you want to install for your new hardware:
Windows default driver
Driver from disk provided by hardware manufacturer
Do not install a driver (Windows will not prompt you again)
Select from a list of alternate drivers
OK
Cancel
Help

3. When Setup prompts you for the location of the driver, type **`D:\WIN9xMe`**, assuming that your CD-ROM drive is D:, then click **OK**.
4. Follow the succeeding screen instructions.
5. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.

Method 4: Display Property Page

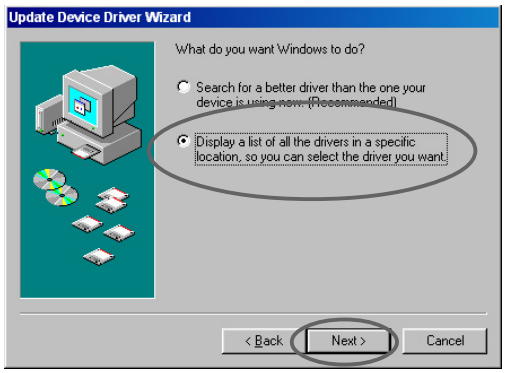
1. Right-click on the Windows desktop and click **Properties**.
2. From the Properties dialog box, select the **Settings** tab, then click **Advanced** to display the **Standard Display Adapter (VGA) Properties** dialog box.
3. Click **Change** on the **Adapter** tab to display the **Update Device Driver Wizard** dialog box.



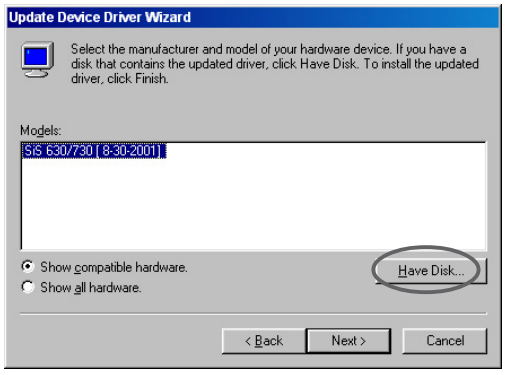
4. From the Update Device Driver Wizard, click **Next**.

Update Device Driver Wizard
This wizard searches for updated drivers for:
SiS 630/730
A device driver is a software program that makes a hardware device work.
Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
< Back
Next >
Cancel

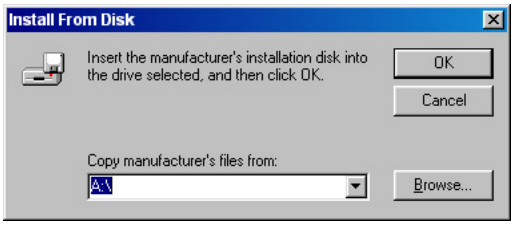
5. Click the **Display a list of all the drivers in a specific location, so you can select the driver you want** option then click **Next.**


Update Device Driver Wizard
What do you want Windows to do?
Search for a better driver than the one your device is using now. (Recommended)
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

6. Click **Have Disk**... to display **Install From Disk** dialog box.


Update Device Driver Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Models:
SiS 630/730 [8-30-2001]
Show compatible hardware.
Show all hardware.
Have Disk...
< Back
Next >
Cancel

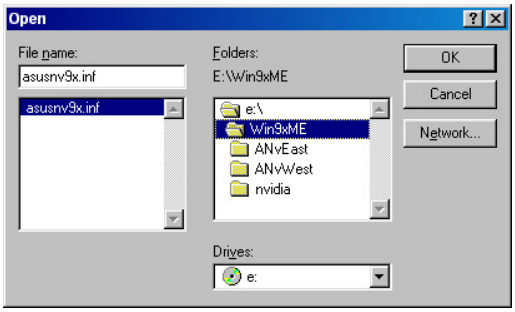
7. Type the location of the ASUSNV9X.INF file (WIN9X folder) in the text box then click **OK**.



OR

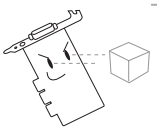
Click **Browse** to search in the available drives.

7.a From the **Open** dialog box click the **Drives** box to display a list of available drives, select your CD-ROM drive.



7.b From the **Folders** box, double-click the **WIN9xME** folder and select ASUSNV9X.INF in the **File name** box.

8. From the **Update Driver Warning** box, click **Yes** to confirm the setting up of the ASUS enhanced display drivers.
9. Follow the succeeding screen instructions.
10. When Setup has finished installing all the necessary files to your computer, click **Finish**.
11. When you are returned to the **Standard Display Adapter (VGA) Properties** dialog box, click **Close**.
12. In the **Display Properties** box, click **Close**.
13. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.



- The quick setup program works only when the primary display detected is an ASUS graphics card.

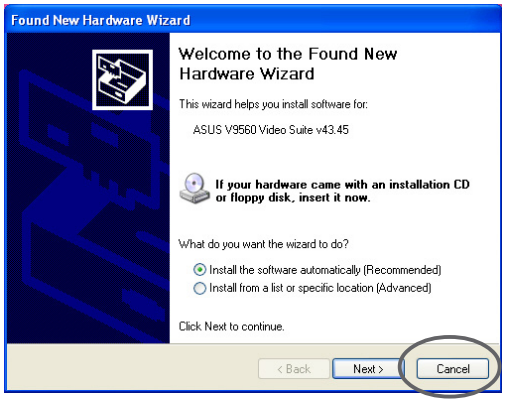
- For optimum performance:
  - Make sure the DMA mode is enabled when using IDE DMA 33/66/100/133 hard disk drives. To set parameters, click on Start-> Control Panel->System->Device Manager->Disk Drives-> Properties->Settings->Options->DMA.
  - Run the Disk Defragmenter (defrag.exe), especially when the hard disk is almost full.

- Make sure that the system power supply can provide the power requirement of the graphics card.

2.2.2 Windows 2000/XP

Method 1: ASUS Quick Setup Program

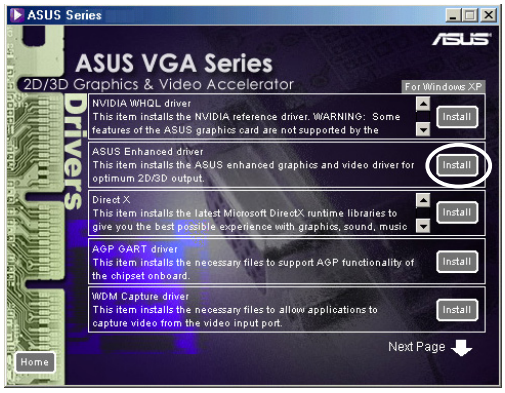
1. When Windows detects your ASUS graphics card, the **Found New Hardware Wizard** dialog box appears.
2. Click **Cancel** to enter the Windows desktop.
3. Insert the support CD into your CD-ROM drive.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
ASUS V9560 Video Suite v43.45
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

4. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.
5. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.

6. Click the **ASUS Enhanced Driver Install** button from the **Drivers** menu to copy the necessary files to your computer.
7. Follow the succeeding screen instructions.
8. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.

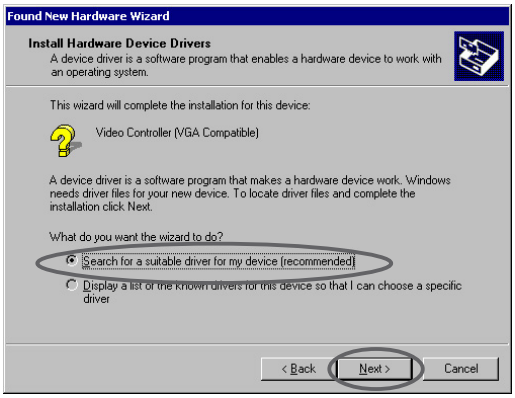

ASUS Series
ASUS VGA Series
2D/3D Graphics & Video Accelerator
For Windows XP
Drivers
NVIDIA WHQL driver
This item installs the NVIDIA reference driver. WARNING: Some features of the ASUS graphics card are not supported by the
Install
ASUS Enhanced driver
This item installs the ASUS enhanced graphics and video driver for optimum 2D/3D output.
Install
Direct X
This item installs the latest Microsoft DirectX runtime libraries to give you the best possible experience with graphics, sound, music
Install
AGP GART driver
This item installs the necessary files to support AGP functionality of the chipset onboard.
Install
WDM Capture driver
This item installs the necessary files to allow applications to capture video from the video input port.
Install
Next Page
Home

Method 2: Plug and Play

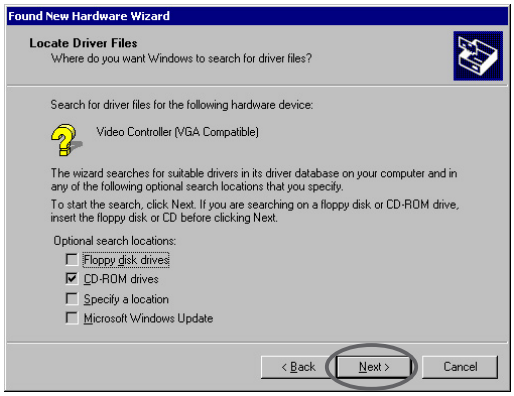
1. When Windows detects your ASUS graphics card, the **Found New Hardware Wizard** dialog box appears. Click **Next**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

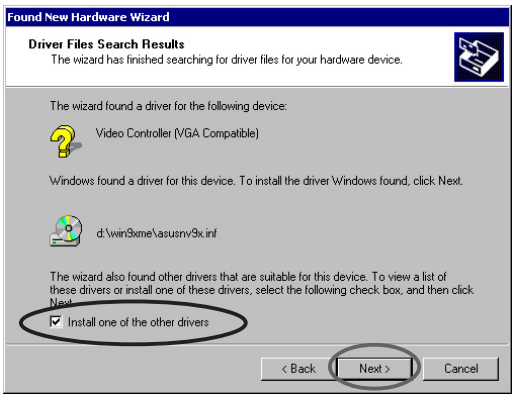
2. From the **Found New Hardware Wizard** dialog box, select **Search for a suitable driver for my device (recommended)** then click **Next**.


Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
Video Controller (VGA Compatible)
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

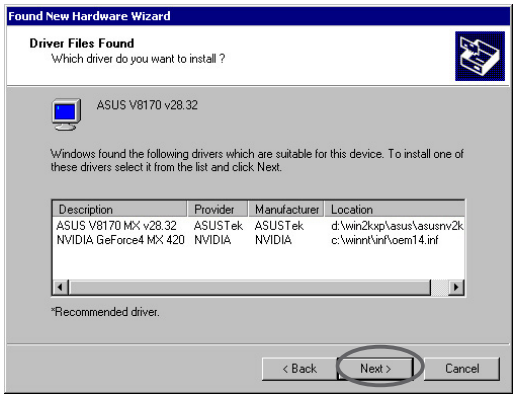
3. When the **Locate Driver Files** dialog box appears, insert the support CD into your CD-ROM drive.
4. Check **CD-ROM drives** and uncheck all other options. Click **Next** to search for the drivers of your graphics card.


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Video Controller (VGA Compatible)
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

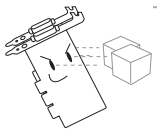
5. When the wizard has finished searching for driver files for your graphics card, check **Install one of the other drivers** then click **Next**.


Found New Hardware Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Video Controller (VGA Compatible)
Windows found a driver for this device. To install the driver Windows found, click Next.
d:\win9xme\asusnv9x.inf
The wizard also found other drivers that are suitable for this device. To view a list of these drivers or install one of these drivers, select the following check box, and then click Next.
Install one of the other drivers
< Back
Next >
Cancel

6. When prompted to select the display driver to install in your system, select the one that is located in the D:\WIN2KXP\ASUS and click **Next**.
7. Follow the succeeding onscreen instructions.
8. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.



2.2.4 Windows NT 4.0



Before installing the display driver in Windows NT 4.0, make sure that you have installed **Windows NT 4.0 Service Pack 3 or later** to take full advantage of the AGP features of your card.

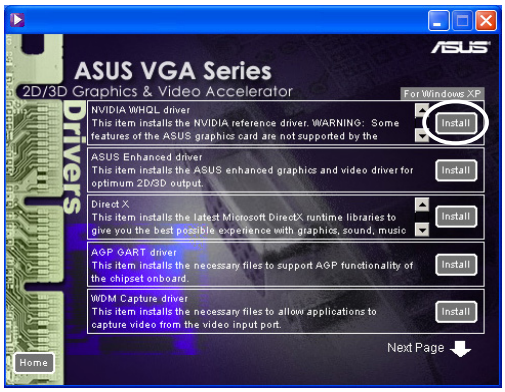
1. Boot your Windows NT system and log on as Administrator.
2. Switch display properties to VGA mode (16 colors, 640 x 480 pixels), then restart your computer.
3. After startup, right-click on the Windows NT desktop and click **Properties**.
4. Select the **Settings** tab.
5. Select **Change Display Type**.
6. Select **Adapter Type** and click **Change**.
7. Click **Have Disk**.
8. Insert the support CD.
9. Assuming that your CD-ROM drive letter is D, type **`D:\NT40`** or click **Browse** to select the path of the display driver for Windows NT then click **OK.**
10. Select the appropriate ASUS VGA Card model then click **OK**.
11. When prompted, confirm installation of display drivers to copy all the necessary files.
12. When done, click **Close** to return to the **Display Properties** box then click **Apply.**
13. The **System Settings Change** dialog box appears. Click **Yes** to reboot computer.

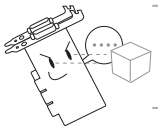
2.3 NVIDIA WHQL driver

The NVIDIA reference driver to Microsoft's Windows Hardware Quality Labs (WHQL) ensures that your video graphics card is compatible with the Windows operating system.

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.
3. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.
4. Click the **NVIDIA WQHL Driver Install** button from the **Drivers** menu to copy the necessary files to your computer.
5. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.


ASUS VGA Series
2D/3D Graphics & Video Accelerator
Drivers
For Windows XP
NVIDIA WHQL driver
This item installs the NVIDIA reference driver. WARNING: Some features of the ASUS graphics card are not supported by the
Install
ASUS Enhanced driver
This item installs the ASUS enhanced graphics and video driver for optimum 2D/3D output.
Install
Direct X
This item installs the latest Microsoft DirectX runtime libraries to give you the best possible experience with graphics, sound, music
Install
AGP GART driver
This item installs the necessary files to support AGP functionality of the chipset onboard.
Install
WDM Capture driver
This item installs the necessary files to allow applications to capture video from the video input port.
Install
Next Page
Home



Some features of ASUS display card is not supported by the NVIDIA WHQL driver.

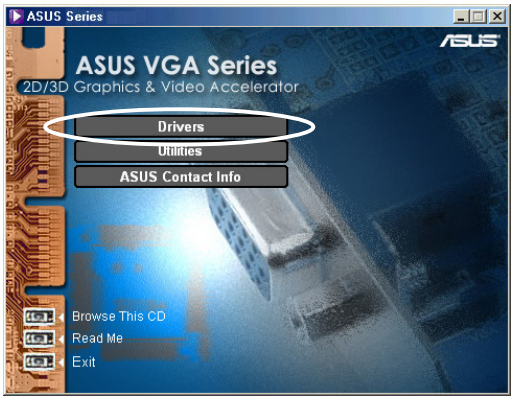
2.4 DirectX

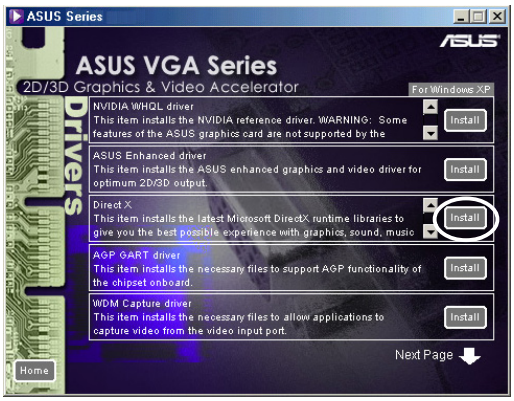
DirectX is an application program interface (API) for creating and managing graphic images and multimedia effects in applications such as games or active web pages that will run in Microsoft Windows operating systems.

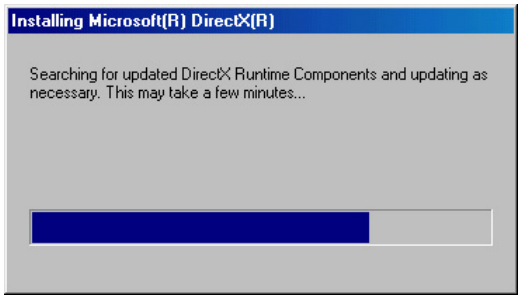
The DirectX driver is automatically installed when you install the ASUS Enhanced driver from the support CD. However, it is recommended to re-install the DirectX driver when you download a driver update from the ASUS website.

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

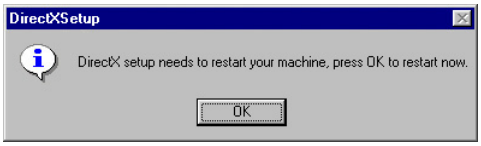
   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.
3. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.
4. Click the **DirectX Install** button from the **Drivers** dialog box to copy the necessary files to your computer.






Installing Microsoft(R) DirectX(R)
Searching for updated DirectX Runtime Components and updating as necessary. This may take a few minutes...

5. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.



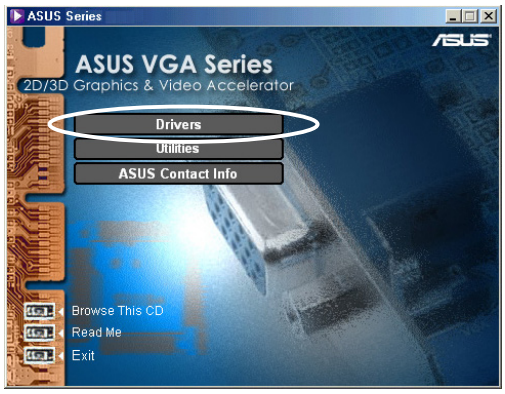
2.5 AGP GART driver

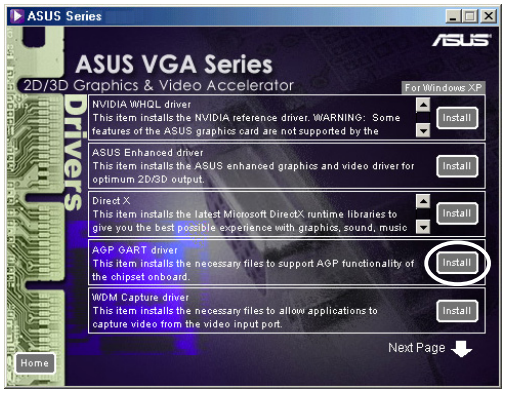
The AGP GART driver is used to support the AGP functionality of the chipset on your motherboard.

- Installation dialog boxes are slightly different for each chipset. Follow the screen instructions to install the GART driver.
- The GART driver is automatically installed when you install the motherboard drivers from your motherboard support CD. However, it is recommended to install the GART driver if it is newer than the one from the motherboard support CD.

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.
3. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.
4. Click the **GART Driver Install** button from the **Drivers dialog box** to install AGP support for motherboards with Intel®, AMD®, VIA™, SiS®, NVIDIA®, ATI® or ALi® chipsets.
5. The **AGP VGARTD Driver Detection** box appears showing the chipset detected on your motherboard.
6. Select an option to install the displayed VGART driver or to select from a list. Click **OK**.

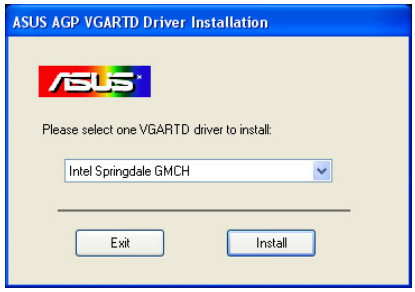




AGP VGARTD Driver Detection
Welcome to ASUS VGARTD Driver Installation Program.
The program has detected the chipset on your motherboard is:
Intel 82443LX
Do you want to install its VGARTD driver?
Yes, install its VGARTD driver.
No. I want to select the other drivers.
Exit
OK

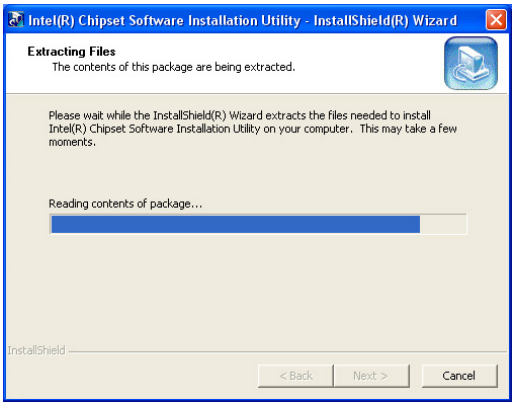
7. If you selected **Yes, install its VGART driver** on the previous screen, proceed to step 8.

   If you selected **No, I want to select the other drivers**, select a driver from the combo list box and click **Install**.

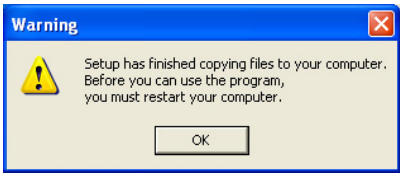


The appropriate driver for the detected motherboard chipset appears as default.

8. Follow the succeeding instructions to complete the setup. Click **Cancel** if you wish to abort the installation.


Intel(R) Chipset Software Installation Utility - InstallShield(R) Wizard
Extracting Files
The contents of this package are being extracted.
Please wait while the InstallShield(R) Wizard extracts the files needed to install Intel(R) Chipset Software Installation Utility on your computer. This may take a few moments.
Reading contents of package...
InstallShield
< Back
Next >
Cancel

9. When Setup has finished installing all the necessary files to your computer, it prompts you to restart your computer. Click **OK**.

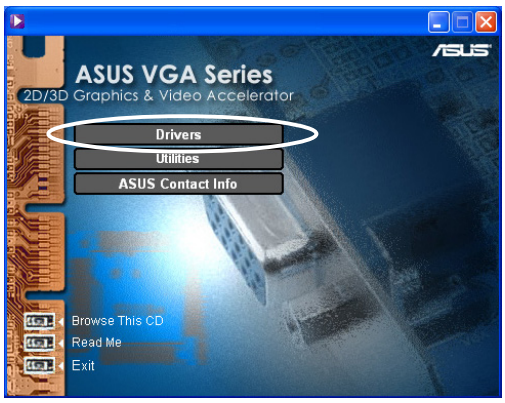

Warning
Setup has finished copying files to your computer.
Before you can use the program,
you must restart your computer.
OK

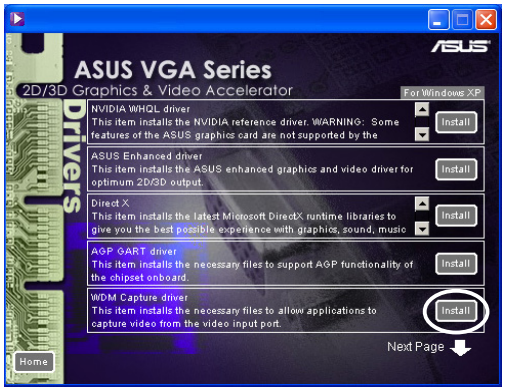
2.6 WDM capture driver

The Windows Drive Model (WDM) capture driver allows you to capture video from the video input port.

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.
3. From the 2D/3D Graphics & Video Accelerator main menu, click **Drivers**.
4. Click the **WDM Capture driver Install** button from the **Drivers** menu to copy the necessary files to your computer.




ASUS VGA Series
2D/3D Graphics & Video Accelerator
Drivers
For Windows XP
NVIDIA WHQL driver
This item installs the NVIDIA reference driver. WARNING: Some features of the ASUS graphics card are not supported by the
Install
ASUS Enhanced driver
This item installs the ASUS enhanced graphics and video driver for optimum 2D/3D output.
Install
Direct X
This item installs the latest Microsoft DirectX runtime libraries to give you the best possible experience with graphics, sound, music
Install
AGP GART driver
This item installs the necessary files to support AGP functionality of the chipset onboard.
Install
WDM Capture driver
This item installs the necessary files to allow applications to capture video from the video input port.
Install
Next Page
Home

5. From the **NVIDIA WDM Drivers Setup** dialog box, click **Next** to install the appropriate driver for your graphics card.

NVIDIA WDM Drivers Setup
NVIDIA WDM Drivers
Welcome to the InstallShield Wizard for NVIDIA WDM Drivers
The InstallShield® Wizard will install NVIDIA WDM Drivers on your computer. To continue, click Next.
< Back
Next >
Cancel

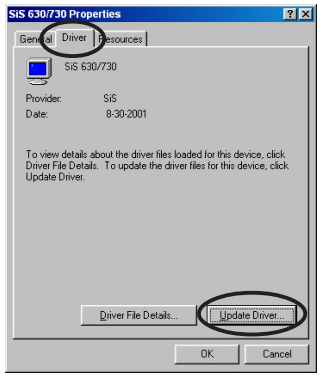
6. When prompted, select **Yes, I want to restart my computer now** then click **Finish.**

The WDM capture driver only works on graphics cards with video-in function.

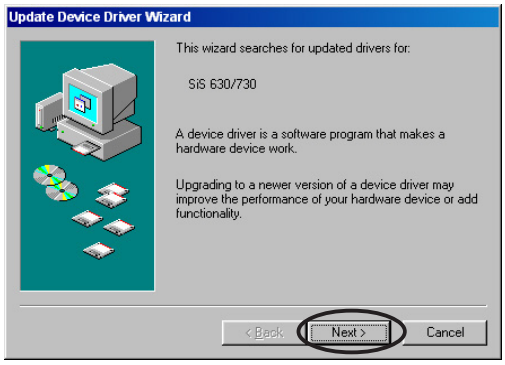
2.7 Update display driver

Follow these steps to update your current VGA driver with a new driver file from the ASUS website.

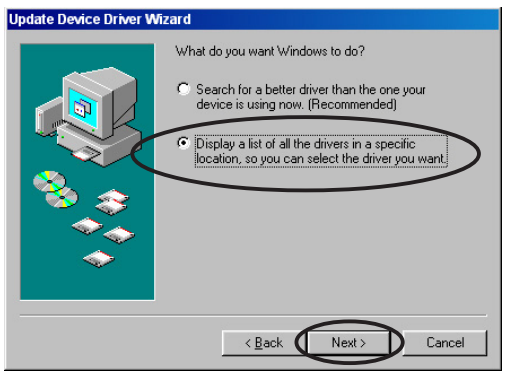
1. Boot your computer.
2. Click the **Start** button. Select **Settings**, then **Control Panel**.
3. Double-click the **System** icon in the Control Panel. Select the **Device Manager** tab.
4. Double-click on **Display Adapters**.
5. Select the current display adapter then click on **Properties**.
6. From the Properties dialog box, select the **Driver** tab then click on **Update Driver**.



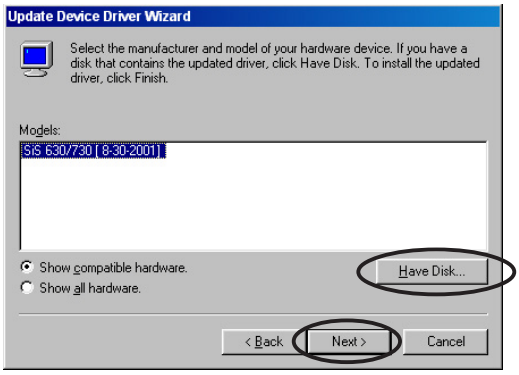
7. Click **Next** on the succeeding screen.


Update Device Driver Wizard
This wizard searches for updated drivers for:
SiS 630/730
A device driver is a software program that makes a hardware device work.
Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
< Back
Next >
Cancel

8. Select the **Display a list of all the drivers in a specific location, so you can select the driver you want** option, then click **Next**.

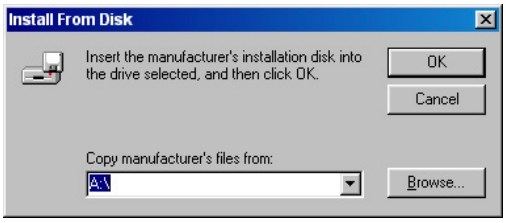

Update Device Driver Wizard
What do you want Windows to do?
Search for a better driver than the one your device is using now. (Recommended)
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

9. From the Update Device Driver Wizard dialog box, click **Have Disk...**, then click **Next**.


Update Device Driver Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Models:
SiS 630/730 [8-30-2001]
Show compatible hardware.
Show all hardware.
Have Disk...
< Back
Next >
Cancel

10. When setup prompts you for the location of the driver, type the path of the driver file. For example:

    `A:\Drivers\SiS630M.inf`



    OR

    Click **Browse** to locate the saved driver file in your hard disk, network, floppy or CD-ROM drive.

11. Follow the succeeding screen instructions.
12. The application prompts you to restart your computer to complete the process. Click **Yes**.

2.8 Uninstall display driver

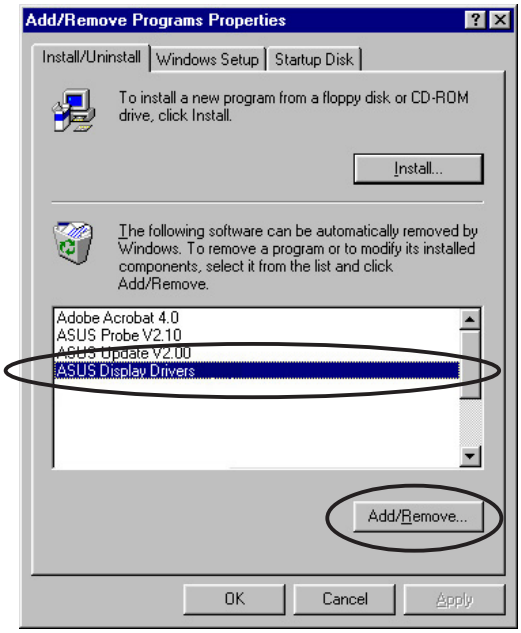
If you want to update your display drivers or if you no longer need the display drivers for your card, use one of the following methods to completely uninstall the drivers from your system.

2.8.1 Windows 98SE/ME

Method 1: Using the Autorun Screen

1. Insert the support CD into your CD-ROM drive.
2. From the main menu, click **Drivers**.
3. From the **Drivers** menu, click the down arrow to display the **Uninstall Display Driver** item.
4. Click the button and follow the succeeding instructions.
5. The application prompts you to restart your computer to complete the process. Click **Yes**.

Method 2: Using the Control Panel


Add/Remove Programs Properties
Install/Uninstall
Windows Setup
Startup Disk
To install a new program from a floppy disk or CD-ROM drive, click Install.
Install...
The following software can be automatically removed by Windows. To remove a program or to modify its installed components, select it from the list and click Add/Remove.
Adobe Acrobat 4.0
ASUS Probe V2.10
ASUS Update V2.00
ASUS Display Drivers
Add/Remove...
OK
Cancel
Apply

1. Click on the **Start** button. Select **Settings**, then **Control Panel**.
2. Double-click the **Add/Remove Programs** icon in the Control Panel.
3. Select the **Install/Uninstall** tab to display a list of installed programs.
4. Highlight **ASUS Display Drivers** from the list, then click on the **Add/Remove** button.
5. Follow the succeeding screen instructions.
6. The application prompts you to restart your computer to complete the process. Click **Yes**.

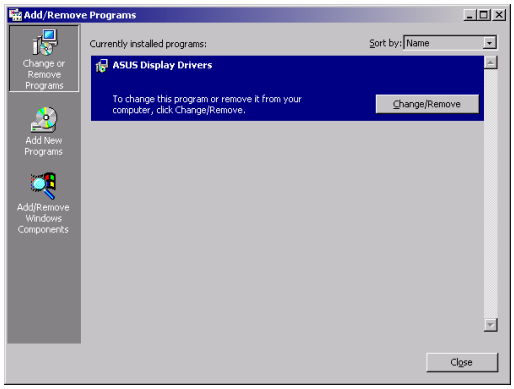
2.8.2 Windows 2000

Method 1: Using the Autorun Screen

ASUS V9180 Series
2D/3D Graphic & Video Accelerator
For Windows 9X/ME
Uninstall Display Driver
Remove display driver from system. It works only when you use ASUS Quick Installation program to install driver.
Install
Previous Page
Drivers
Home

1. Insert the support CD into your CD-ROM drive.
2. From the main menu, click **Drivers**.
3. From the **Drivers** menu, click the down arrow to display the **Uninstall Display Driver** item.
4. Click the button and follow the succeeding instructions.
5. The application prompts you to restart your computer to complete the process. Click **Yes**.

Method 2: Using the Control Panel



1. Click the **Start** button. Select **Settings**, then **Control Panel**.
2. From the Control Panel, double-click the **Add/Remove Programs** icon to display the **Add/Remove Programs** screen.
3. Highlight **ASUS Display Drivers** from the list, then click on the **Change/Remove** button.
4. Follow the succeeding screen instructions.
5. The application prompts you to restart your computer to complete the process. Click **Yes**.

2.8.3 Windows NT 4.0

1. Click on the **Start** button. Select **Settings**, then **Control Panel**.
2. Double-click the **Add/Remove Programs** icon in the Control Panel then select the **Install/Uninstall** tab.
3. Highlight **ASUS Display Drivers** from the list, then click on the **Add/Remove** button.
4. Follow the succeeding screen instructions.
5. When the application prompts you to restart computer to complete the process, click **Yes**.

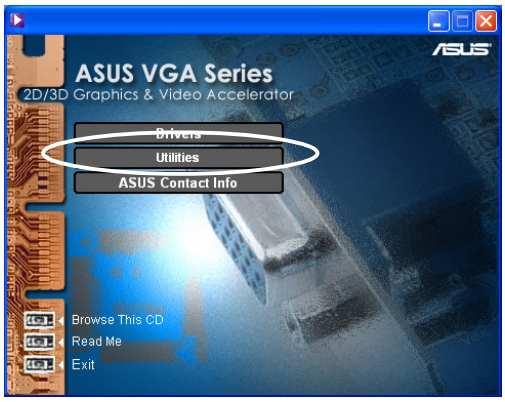
3. Utilities

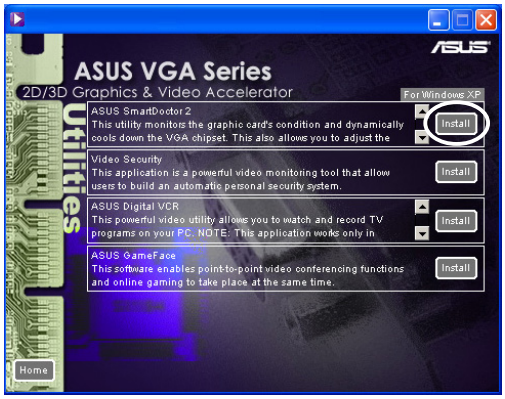
3.1 Install Smart Doctor

The Smart Doctor utility monitors the VGA card condition and significantly cools down the VGA Graphics Processing Unit (GPU). This utility also allows you to adjust the graphics card clock settings.

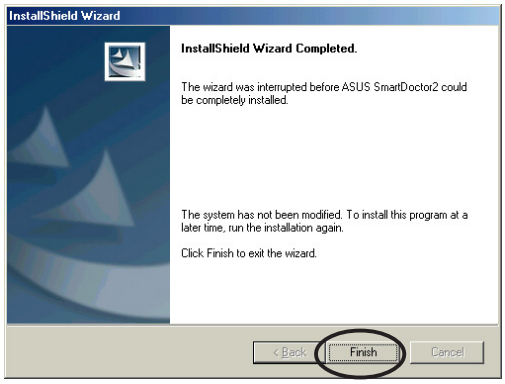
1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.
3. From the 2D/3D Graphics & Video Accelerator main menu, click **Utilities**.
4. Click the **ASUS SmartDoctor Install** button from the **Utilities** menu to copy the necessary files to your computer.
5. Follow the succeeding screen instructions.




ASUS VGA Series
2D/3D Graphics & Video Accelerator
Utilities
For Windows XP
ASUS SmartDoctor 2
This utility monitors the graphic card's condition and dynamically cools down the VGA chipset. This also allows you to adjust the
Install
Video Security
This application is a powerful video monitoring tool that allow users to build an automatic personal security system.
Install
ASUS Digital VCR
This powerful video utility allows you to watch and record TV programs on your PC. NOTE: This application works only in
Install
ASUS GameFace
This software enables point-to-point video conferencing functions and online gaming to take place at the same time.
Install
Home

6. Click **Finish**, when setup is complete.


InstallShield Wizard
InstallShield Wizard Completed.
The wizard was interrupted before ASUS SmartDoctor2 could be completely installed.
The system has not been modified. To install this program at a later time, run the installation again.
Click Finish to exit the wizard.
< Back
Finish
Cancel

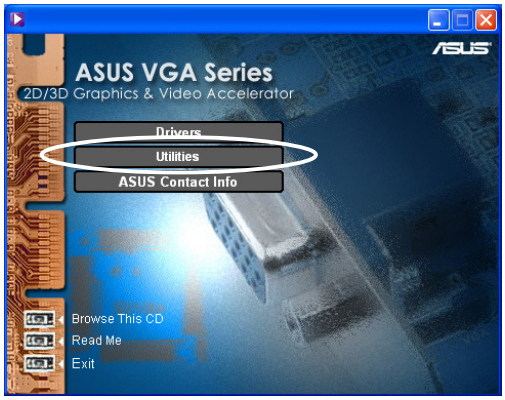
The Smart Doctor utility works only for graphics card models with a built-in hardware monitor IC. If the hardware monitor IC is not present, the ASUS Tweak utility will be automatically installed.

3.2 Install VideoSecurity

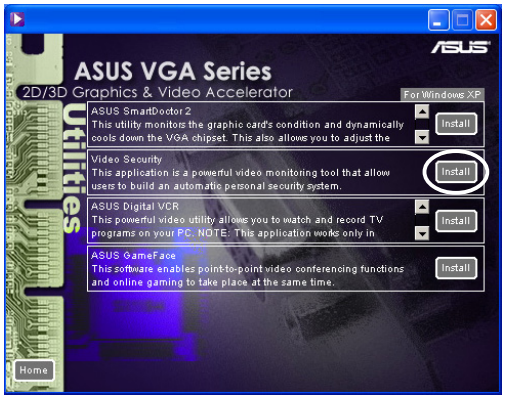
VideoSecurity is a powerful security utility that detects any change in a specified surveillance region. Using video capture devices, video snapshots are captured automatically when there is a deviation in the user-defined surveillance region. An optional warning message is also sent via email or phone to the user.

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.



3. From the 2D/3D Graphics & Video Accelerator main menu, click **Utilities**.
4. Click the **VideoSecurity Install** button from the **Utilities** menu to copy the necessary files to your computer.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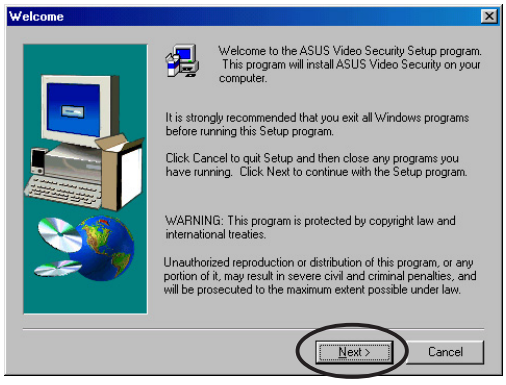
ASUS GameFace
This software enables point-to-point video conferencing functions and online gaming to take place at the same time.
Install
Home

5. From the Welcome screen, click **Next** then follow the succeeding screen instructions to complete setup.
6. Click **Finish**, when setup is complete.

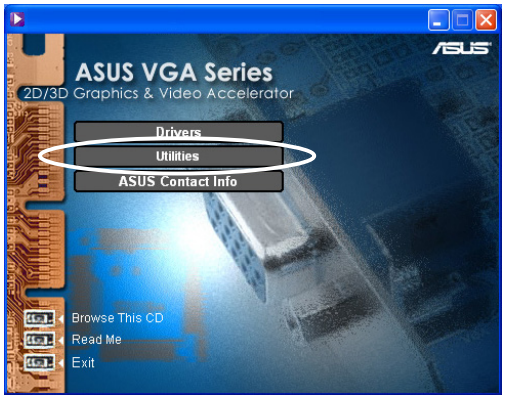

Welcome
Welcome to the ASUS Video Security Setup program. This program will install ASUS Video Security on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

3.3 Install ASUS Digital VCR

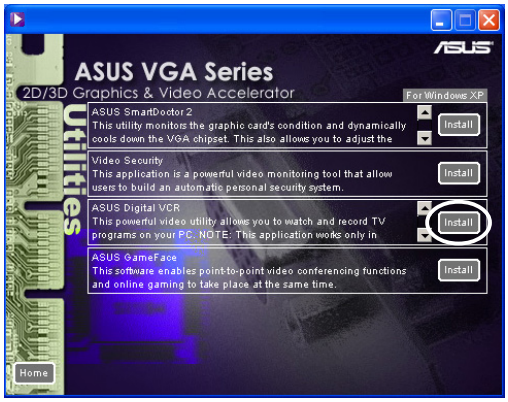
ASUS Digital VCR is a comprehensive video utility that allows you to watch and record TV programs on your PC. This utility also supports time-shift recording that allows you to record, watch and replay your favorite TV programs at the same time.

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.



3. From the 2D/3D Graphics & Video Accelerator main menu, click **Utilities**.
4. Click the **ASUS Digital VCR Install** button from the **Utilities menu** to copy the necessary files to your computer.


ASUS VGA Series
2D/3D Graphics & Video Accelerator
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For Windows XP
ASUS SmartDoctor 2
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Video Security
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Install
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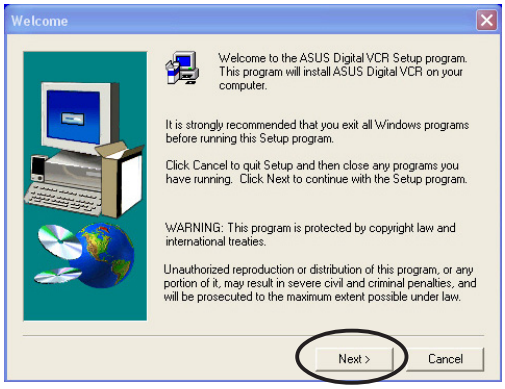
Install
ASUS GameFace
This software enables point-to-point video conferencing functions and online gaming to take place at the same time.
Install
Home

5. From the Welcome screen, click **Next**. Follow the succeeding screen instructions.
6. Click **Finish**, when setup is complete.

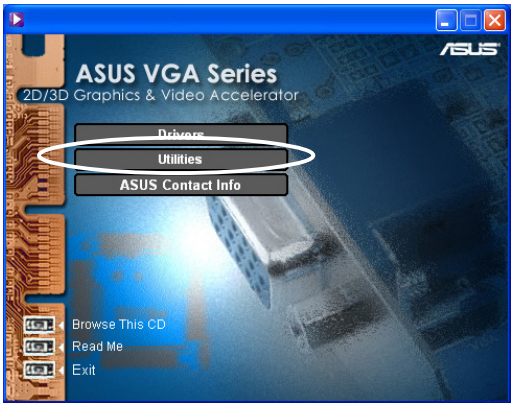

Welcome
Welcome to the ASUS Digital VCR Setup program. This program will install ASUS Digital VCR on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
Next >
Cancel

3.4 Install ASUS GameFace

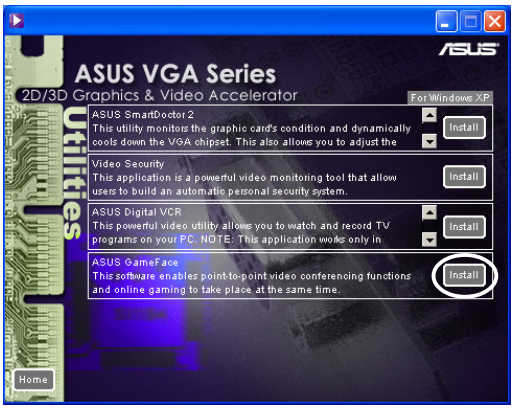
The revolutionary ASUS GameFace is a real-time audio/video communication feature that enhances your interactive gaming experience. This utility enables point-to-point video conferencing functions and online gaming to take place at the same time. With this feature, you can see and talk to your opponents while playing full-screen online games!

1. Insert the support CD into your CD-ROM drive.
2. If autorun is enabled, the 2D/3D Graphics & Video Accelerator appears automatically.

   If autorun is disabled, run **Setup.exe** from the root directory of your support CD.



3. From the 2D/3D Graphics & Video Accelerator main menu, click **Utilities**.
4. Click the **ASUS GameFace Install** button from the **Utilities menu** to copy the necessary files to your computer.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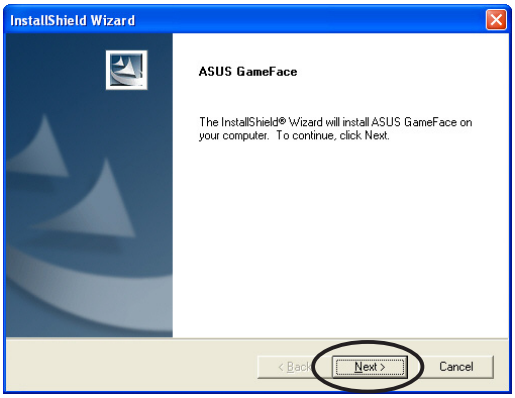
5. From the Welcome screen, click **Next**. Follow the succeeding screen instructions.
6. Click **Finish**, when setup is complete.


InstallShield Wizard
ASUS GameFace
The InstallShield® Wizard will install ASUS GameFace on your computer. To continue, click Next.
< Back
Next >
Cancel